

CLAIMS

1. A curable composition comprising:

(1) a radically polymerizable monomer;

(2) an organosilicon compound containing an epoxy group bonded to one
5 terminal end thereof;

(3) an amine compound;

(4) a photochromic compound; and

(5) a photopolymerization initiator,

said organosilicon compound (2) containing an epoxy group bonded to
10 one terminal end thereof being a compound containing a silanol group or a
compound containing a group capable of forming a silanol group by hydrolysis
thereof.

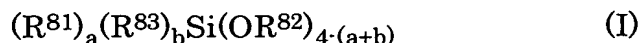
2. The curable composition according to claim 1, wherein said
15 composition comprises (1) 100 parts by weight of the radically polymerizable
monomer, (2) 1.0 to 15 parts by weight of the organosilicon compound
containing an epoxy group bonded to one terminal end thereof, (3) 0.01 to 20
parts by weight of the amine compound, (4) 0.01 to 20 parts by weight of the
photochromic compound, and (5) 0.01 to 5 parts by weight of the
20 photopolymerization initiator.

3. The curable composition according to claim 1 or 2, wherein the
radically polymerizable monomer (1) contains at least one radically
polymerizable group selected from the group consisting of an acryloyl group, a
25 methacryloyl group, an acryloyloxy group, a methacryloyloxy group, a vinyl
group, an allyl group and a styryl group.

4. The curable composition according to claim 1 or 2, wherein the
radically polymerizable monomer (1) contains at least one radically

polymerizable group selected from the group consisting of an acryloyl group, a methacryloyl group, an acryloyloxy group and a methacryloyloxy group.

5 5. The curable composition according to claim 1 or 2, wherein said organosilicon compound (2) is an organosilicon compound represented by the general formula (I):



10 wherein R^{81} is an organic group containing an epoxy group; R^{82} is an alkyl group having 1 to 4 carbon atoms, an acyl group having 1 to 4 carbon atoms or an aryl group having 6 to 10 carbon atoms; R^{83} is an alkyl group having 1 to 6 carbon atoms or an aryl group having 6 to 10 carbon atoms; a is an integer of 1; and b is an integer of 0 or 1, or a hydrolyzed product thereof.

15 6. The curable composition according to claim 5, wherein said organic group containing an epoxy group as R^{81} is an epoxy group, a glycidoxy group or a 3,4-epoxycyclohexyl group.

20 7. The curable composition according to claim 1 or 2, wherein said amine compound (3) is at least one amine compound selected from the group consisting of non-polymerizable low-molecular amine compounds including triethanolamine, N-methyldiethanolamine, triisopropanolamine, 4,4-dimethylaminobenzophenone and diazabicyclooctane; polymerizable group-containing amine compounds including N,N-dimethylaminoethyl methacrylate and N,N-diethylaminoethyl methacrylate; and silyl group-containing amine compounds including n-(hydroxyethyl)-N-methylaminopropyl trimethoxysilane, dimethoxyphenyl-2-piperidinoethoxysilane, N,N-diethylaminomethyl trimethylsilane and (N,N-diethyl-3-aminopropyl)trimethoxysilane.

8. An optical member comprising an optical substrate and a photochromic coating layer formed by applying the curable composition as defined in claim 1 or 2 onto the optical substrate and curing the composition.

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9. The optical member according to claim 8, further comprising a hard coat layer formed on the photochromic coating layer.

10. The optical member according to claim 9, further comprising an antireflection film formed on the hard coat layer.

11. The optical member according to claim 8, wherein the optical substrate is a plastic lens substrate.